

49. The mannanase of claim 46, which has an amino acid sequence comprising amino acids 32-490.
50. The mannanase of claim 46, which has an amino acid sequence comprising amino acids 33-330.
51. The mannanase of claim 46, which has an amino acid sequence comprising amino acids 33-490.
52. The mannanase of claim 46, which has a relative mannanase activity of at least 60% after incubation for 20 minutes at 40° C and any pH in the range of 7.5-10 and an amino acid sequence that is at least 80% homologous with the polypeptide having an amino acid sequence of residues 32-330 of SEQ ID NO: 2.
53. The mannanase of claim 52, which has an amino acid sequence that is at least 85% homologous with the polypeptide having an amino acid sequence of residues 32-330 of SEQ ID NO: 2.
54. The mannanase of claim 53, which has an amino acid sequence that is at least 90% homologous with the polypeptide having an amino acid sequence of residues 32-330 of SEQ ID NO: 2.
55. The mannanase of claim 54, which has an amino acid sequence that is at least 95% homologous with the polypeptide having an amino acid sequence of residues 32-330 of SEQ ID NO: 2.
56. The mannanase of claim 55, which has an amino acid sequence that is at least 98% homologous with the polypeptide having an amino acid sequence of residues 32-330 of SEQ ID NO: 2.
57. The mannanase of claim 46, which has a molecular weight of 34 +/- 10 kDa, as determined by SDS-PAGE.

58. The mannanase of claim 46, which has an N-terminal amino acid sequence of ANSGFYVSGTTLYDANG (amino acids 32-48 of SEQ ID NO: 2).

59. The mannanase of claim 46, which is a *Bacillus* mannanase.

60. The mannanase of claim 59, which is a *Bacillus* sp. 1633 mannanase.

61. An enzyme preparation comprising a mannanase of claim 46 and one or more enzymes selected from the group consisting of proteases, cellulases (endoglucanases), beta-glucanases, hemicellulases, lipases, peroxidases, laccases, alpha-amylases, glucoamylases, cutinases, pectinases, reductases, oxidases, phenoloxidases, ligninases, pullulanases, pectate lyases, xyloglucanases, xylanases, pectin acetyl esterases, polygalacturonases, rhamnogalacturonases, pectin lyases, other mannanases, pectin methylesterases, cellobiohydrolases, transglutaminases; and mixtures thereof.

62. A cleaning composition comprising a mannanase of claim 46 and a surfactant.

63. A fabric softening composition, comprising a mannanase of claim 46, an enzyme selected from the group consisting of amylases, cellulases, lipases, pectin degrading enzymes, proteases and xyloglucanases, and a cationic surfactant comprising two long chain lengths.

64. An isolated mannanase comprising an amino acid sequence which comprises a catalytic domain and a linker of amino acids 331-342 of SEQ ID NO: 2.

65. The mannanase of claim 64, which is a *Bacillus* mannanase.

66. An enzyme preparation comprising a mannanase of claim 64 and one or more enzymes selected from the group consisting of proteases, cellulases (endoglucanases), beta-glucanases, hemicellulases, lipases, peroxidases, laccases, alpha-amylases, glucoamylases, cutinases, pectinases, reductases, oxidases, phenoloxidases, ligninases, pullulanases, pectate lyases, xyloglucanases, xylanases, pectin acetyl esterases, polygalacturonases, rhamnogalacturonases,

pectin lyases, other mannanases, pectin methylesterases, cellobiohydrolases, transglutaminases; and mixtures thereof.

67. A cleaning composition, comprising the mannanase of claim 64 and a surfactant.

68. A fabric softening composition, comprising a mannanase of claim 64, an enzyme selected from the group consisting of amylases, cellulases, lipases, pectin degrading enzymes, proteases and xyloglucanases, and a cationic surfactant comprising two long chain lengths.

69. An isolated mannanase comprising an amino acid sequence which comprises a catalytic domain and a C-terminal region of amino acids 343-490 of SEQ ID NO: 2.

70. The mannanase of claim 69, which is a *Bacillus* mannanase.

71. An enzyme preparation comprising a mannanase of claim 69 and one or more enzymes selected from the group consisting of proteases, cellulases (endoglucanases), beta-glucanases, hemicellulases, lipases, peroxidases, laccases, alpha-amylases, glucoamylases, cutinases, pectinases, reductases, oxidases, phenoloxidases, ligninases, pullulanases, pectate lyases, xyloglucanases, xylanases, pectin acetyl esterases, polygalacturonases, rhamnogalacturonases, pectin lyases, other mannanases, pectin methylesterases, cellobiohydrolases, transglutaminases; and mixtures thereof.

72. A cleaning composition, comprising the mannanase of claim 69 and a surfactant.

73. A fabric softening composition, comprising the mannanase of claim 69, an enzyme selected from the group consisting of amylases, cellulases, lipases, pectin degrading enzymes, proteases and xyloglucanases, and a cationic surfactant comprising two long chain lengths.